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TECH CENTER 1600/2900



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1653

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/004,381

DATE: 04/30/2002

TIME: 13:55:44

p#8

Input Set : A:\00786.388002.SEQLIST.TXT

Output Set: N:\CRF3\04302002\J004381.raw

4 <110> APPLICANT: SZOSTAK, JACK W.
 5 WILSON, DAVID S.
 6 KEEFE, ANTHONY D.
 8 <120> TITLE OF INVENTION: STREPTAVIDIN-BINDING PEPTIDES AND USES
 9 THEREOF

11 <130> FILE REFERENCE: 00786/388002
 13 <140> CURRENT APPLICATION NUMBER: US 10/004,381
 14 <141> CURRENT FILING DATE: 2001-10-31
 16 <150> PRIOR APPLICATION NUMBER: US 60/244,541
 17 <151> PRIOR FILING DATE: 2000-10-31
 19 <160> NUMBER OF SEQ ID NOS: 41
 21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 101
 25 <212> TYPE: PRT
 26 <213> ORGANISM: Artificial Sequence
 28 <220> FEATURE:
 29 <223> OTHER INFORMATION: selected peptide
 31 <400> SEQUENCE: 1

32 Met Asp Glu Lys Thr His Cys Thr Ile Ser Met Asn Gly Ala Val Pro
 33 1 5 10 15
 34 Leu Val Pro His His His Pro Gln Gly Asp Pro Leu Arg Leu Leu His
 35 20 25 30
 36 Arg Pro Gln Pro Ala Leu Leu Val Arg His Pro Gln Gly Asp Leu Val
 37 35 40 45
 38 Ala Leu Val Glu His His Glu Gly Val Asp Arg Gly Leu Val Ala Leu
 39 50 55 60
 40 Pro Glu Leu His Ala Glu Glu Leu Gly Glu Pro Val Gly Asp Leu Val
 41 65 70 75 80
 42 Gln Gly Pro Val Glu Gln Val Gln Gly Val Val Asp Ala Leu Val Trp
 43 85 90 95
 44 Arg Leu Pro Pro Ser
 45 100

48 <210> SEQ ID NO: 2
 49 <211> LENGTH: 101
 50 <212> TYPE: PRT
 51 <213> ORGANISM: Artificial Sequence
 53 <220> FEATURE:
 54 <223> OTHER INFORMATION: selected peptide
 56 <400> SEQUENCE: 2

57 Met Asp Glu Lys Thr His Cys Phe His Pro Gly Asp His Leu Val Arg
 58 1 5 10 15
 59 Leu Val Glu Glu Leu Gln Ala Leu Ala Glu Gly Leu Gln Arg Gln Gly

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60          20          25          30
61 Gly Arg Gln Pro His Arg Leu Pro Arg Arg Arg Pro His His Leu Gln
62          35          40          45
63 Leu Leu Leu Asp Glu Ala His Pro Gln Ala Gly Pro Leu Arg Glu Arg
64          50          55          60
65 Ala His Gln Val Asp Gly Arg Leu Leu Leu Gln His His Pro Gln Gly
66 65          70          75          80
67 Asp Arg Leu Leu Gln Pro Gln Asp His Pro Leu Glu Leu Val Trp
68          85          90          95
69 Arg Leu Pro Pro Ser
70          100
73 <210> SEQ ID NO: 3
74 <211> LENGTH: 101
75 <212> TYPE: PRT
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: selected peptide
81 <400> SEQUENCE: 3
82 Met Thr Arg Arg Pro Thr Ala Ser Ser Ser Ser Cys Val Arg His Leu
83 1          5          10          15
84 Leu Leu Arg Gln Gly Glu His Gly His Gln Ala Leu Glu Asp Arg Asp
85          20          25          30
86 Lys Ala Arg His Val Arg Leu Val Glu Gly Asp Val Glu Val Leu Gly
87          35          40          45
88 Gly Leu Asp Arg Leu Ala Arg Ala Arg His Glu Ala Leu His Pro Gln
89          50          55          60
90 Ala Gly Leu Val His Leu Pro Leu His Gly Gly Asp Leu Gly Gly His
91 65          70          75          80
92 Leu Arg Leu Val Leu Glu Ala His Pro Gln Gly Asp Arg Leu Gly Leu
93          85          90          95
94 Ala Val His His His
95          100
98 <210> SEQ ID NO: 4
99 <211> LENGTH: 102
100 <212> TYPE: PRT
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: selected peptide
106 <400> SEQUENCE: 4
107 Met Asp Glu Lys Thr His Trp Gly Ile Ser Thr Trp Arg Gly Glu Pro
108 1          5          10          15
109 Leu Leu His His Pro Gln Ala Gly Arg Leu Pro Leu Asp Arg Arg Arg
110          20          25          30
111 Ala Arg His Arg Arg Ile Leu Gly Ala Glu Pro Gly Gly Val Asp His
112          35          40          45
113 Gly Leu Arg Leu Glu Leu Leu Asp Asp His Arg Pro Leu Val Pro Asp
114          50          55          60
115 His His Pro Gln Arg Gly Pro Leu Gln Arg Gly Asp Leu Pro Gln Val
116 65          70          75          80

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117 Val Pro Leu Val Arg Leu Arg His Ala His Val Leu Gly Leu Gly Leu
118                      85                      90                      95
119 Ala Ala Ala Thr Ile Thr
120                      100
123 <210> SEQ ID NO: 5
124 <211> LENGTH: 102
125 <212> TYPE: PRT
126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: selected peptide
131 <400> SEQUENCE: 5
132 Met Asp Glu Lys Thr His Trp Val Asn Val Tyr His Pro Gln Gly Asp
133 1                      5                      10                      15
134 Leu Leu Val Arg Gly His Gly His Asp Val Glu Ala Leu His Asp Gln
135                      20                      25                      30
136 Gly Leu His Gln Leu Asp Leu Leu Val Gly Pro Pro Pro Glu Val Val
137                      35                      40                      45
138 Arg Ala Leu Arg Gly Glu Val Leu Gly Gly Leu Arg Arg Leu Val Pro
139                      50                      55                      60
140 Leu Asp His Pro Gln Gly Glu Ala Leu Asp Gln Ala Arg Gln Arg Pro
141 65                      70                      75                      80
142 Gln His Leu Leu Glu Leu His His Arg Ala Leu Pro Pro Ala Leu Val
143                      85                      90                      95
144 Trp Arg Leu Pro Pro Ser
145                      100
148 <210> SEQ ID NO: 6
149 <211> LENGTH: 102
150 <212> TYPE: PRT
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: selected peptide
156 <400> SEQUENCE: 6
157 Met Asp Glu Lys Thr His Trp Leu Asn Asn Phe Glu Glu Leu Leu Ala
158 1                      5                      10                      15
159 Arg Leu Asp Gly Leu Arg Glu Gly Glu Asp His Pro Leu Val Leu Arg
160                      20                      25                      30
161 His His Pro Gln Gly Asp Gly Leu Leu Asp Gln Pro Leu Gly Arg His
162                      35                      40                      45
163 Arg Ala Leu Asp Gly Glu Val Arg Glu Gly Asp Arg Pro Leu Asp Gln
164                      50                      55                      60
165 Gly Gly Glu Glu Asp Leu Gly Ala Leu Val Asp Asp Asp Gly Glu Val
166 65                      70                      75                      80
167 Leu Asp Gly Leu Val His Val Gly Val His Val His Asp Pro Leu Val
168                      85                      90                      95
169 Cys Gly Cys His His His
170                      100
173 <210> SEQ ID NO: 7
174 <211> LENGTH: 101
175 <212> TYPE: PRT

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176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: selected peptide
181 <400> SEQUENCE: 7
182 Met Asp Glu Lys Thr His Trp Phe Gly Thr Leu Asn Ser Phe Pro Thr
183 1 5 10 15
184 His Trp Met Ser Ala Val Gly Asn Gly Lys Ile Asp Cys Ser Phe Asn
185 20 25 30
186 Met Asn Leu Ser Leu Asn His Trp Leu Ser Ser Gly His Pro Asp Gly
187 35 40 45
188 Ala Leu Asp Asp Gln Leu His Pro Gln Gly Asp Ala Leu Val Gly Arg
189 50 55 60
190 Asp Asp Gly Val Val Gln Ala Leu Arg Leu Glu Gly Gln His Gln His
191 65 70 75 80
192 Arg Arg Leu Ala Gln Arg Arg Ala Asp Arg His Arg Gln Leu Val Trp
193 85 90 95
194 Arg Leu Pro Pro Ser
195 100
198 <210> SEQ ID NO: 8
199 <211> LENGTH: 102
200 <212> TYPE: PRT
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: selected peptide
206 <400> SEQUENCE: 8
207 Met Asp Glu Lys Thr His Cys Thr Ile Glu Leu Asn Phe Ser Phe Thr
208 1 5 10 15
209 His Trp Lys Leu His His His Pro Gln Gly Asp Ala Leu Leu Asp Asp
210 20 25 30
211 Gly Val Arg Pro His His Pro Leu Ala Asp Glu Gly Gly Gly Leu Asp
212 35 40 45
213 Gln Gly Leu Gly His Arg Arg Gly Val Val Ala Glu Arg Leu Ala Arg
214 50 55 60
215 Arg Asp Pro Glu Val Leu Glu Gly Leu Val Glu Arg His Arg Gly Leu
216 65 70 75 80
217 Val Pro Arg Leu Arg His Gly Gly Glu Arg His Ala Glu Pro Leu Val
218 85 90 95
219 Trp Arg Leu Pro Pro Ser
220 100
223 <210> SEQ ID NO: 9
224 <211> LENGTH: 102
225 <212> TYPE: PRT
226 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: selected peptide
231 <400> SEQUENCE: 9
232 Met Asp Glu Lys Thr His Cys Asn Thr Gly Leu Tyr Asp Gly Ala Ala
233 1 5 10 15
234 Asp Cys Phe Asn Glu Leu Asn Lys Asp Val Ala Pro Leu Val Glu Gly

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235          20          25          30
236 Arg His Asp Leu Val Glu Gly Leu Leu Glu Arg His Pro Gln Gly
237          35          40          45
238 Asp Pro Leu Val Ala His Arg Gln Leu Val His His Pro Leu Leu Gly
239          50          55          60
240 Arg Gly Glu Arg His Arg Arg Ala Leu Val Pro Gln Gln Glu His Gln
241 65          70          75          80
242 Pro His Arg Leu Gln Pro Val Val Asp Leu Gly Arg Arg Arg Leu Val
243          85          90          95
244 Trp Arg Leu Pro Pro Ser
245          100
248 <210> SEQ ID NO: 10
249 <211> LENGTH: 103
250 <212> TYPE: PRT
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: selected peptide
256 <400> SEQUENCE: 10
257 Met Asp Glu Lys Thr His Trp His Glu Arg Ala Gln Glu Leu Val Gly
258 1          5          10          15
259 Gly Leu Leu Leu His Asp His Pro Gln Arg Leu Leu Leu Glu Pro Arg
260          20          25          30
261 Gly Pro Arg Pro Leu Arg Gly Leu Val His Glu Arg Gly His Gln Pro
262          35          40          45
263 Gln Pro Leu Ala Gly Arg Val Glu Glu Ala Asp Gly Gly Leu Leu Arg
264          50          55          60
265 Asp Gly Gly Gly Glu Leu Glu Pro Leu Val Arg Glu Gly Glu Asp His
266 65          70          75          80
267 Leu Glu Pro Leu Asp Asp Glu Leu Asp Ala Gly Pro Arg Gly Leu Val
268          85          90          95
269 Trp Arg Leu Pro His His His
270          100
273 <210> SEQ ID NO: 11
274 <211> LENGTH: 102
275 <212> TYPE: PRT
276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION: selected peptide
281 <400> SEQUENCE: 11
282 Met Asp Glu Lys Thr His Trp His Glu Arg Val His His Leu Ala Asp
283 1          5          10          15
284 Gly Leu Glu Gln His Pro Gln Gly Gln Arg Arg Pro Leu Val Glu Arg
285          20          25          30
286 His Arg Gln Val Pro Arg Gly Leu Val Arg Glu Leu Gln His Glu Gly
287          35          40          45
288 Leu Pro Leu Glu His Pro Ala Gly Val His Val Ile Arg Leu His Gln
289          50          55          60
290 Gly Asp Asp Arg Asp Val Asp Gly Leu Val Asp Gly His Gly Arg Asp
291 65          70          75          80

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VERIFICATION SUMMARY

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